

Notice of Allowability

Application No.

09/706,117

Examiner

Aravind K. Moorthy

Applicant(s)

KRAMER ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8 April 2005.
2. ☒ The allowed claim(s) is/are 1,4-13,15,17,18,20,22-33 and 35-96.
3. ☒ The drawings filed on 03 November 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

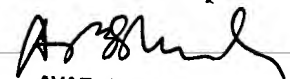
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



AYAZ SHEIKH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

1. This is in response the after-final response filed on 8 April 2005.
2. Claims 1, 4-13, 15, 17, 18, 20, 22-33 and 35-96 are pending in the application.
3. Claims 1, 4-13, 15, 17, 18, 20, 22-33 and 35-96 have been allowed.
4. Claims 2, 3, 14, 16, 19, 21 and 34 have been cancelled.

Response to Arguments

5. Applicant's arguments, see pages 2-10, filed 8 April 2005, with respect to claims 1, 4-13, 15, 17, 18, 20, 22-33 and 35-96 have been fully considered and are persuasive. The rejection of the claims has been withdrawn.

6. Claims 1, 4-13, 15, 17, 18, 20, 22-33 and 35-96 are allowed.

The following is an examiner's statement of reasons for allowance. As to independent claims 1, 12, 13, 22, 37 and 46, prior art teaches generating by a ticket service, a ticket having an identifier and a session key. Prior art teaches obtaining, by the web server, the ticket from the ticket service. Prior art teaches transmitting, by the web server, the ticket to the client over a secure communication channel. Prior art teaches transmitting, by the client, the identifier from the ticket to the application server. Prior art teaches obtaining, by the application server, a copy of the session key from the ticket service using the identifier. Prior art teaches establishing an application communication channel between the client and the application server. All as taught by Carino, Jr. et al U.S. Patent No. 6,651,072 B1 (hereinafter Carino).

However, prior art does not disclose, teach or fairly suggest receiving, at a web server, a request from a client to have an application program executed on an application server and to have output from the application program executing on the application server transmitted to the

client. Prior art does not disclose, teach or fairly suggest executing, by the application server, the application program identified in the request. Prior art does not disclose, teach or fairly suggest transmitting, by the application server, output of the application program over the application communication channel via a remote display protocol. Prior art does not disclose, teach or fairly suggest encrypting the output communicated to the client over the application communication channel using the session key.

Carino differs from the current application in that Carino is focused on a method and apparatus for efficiently providing large object data, such as multimedia objects, stored in a database management system to a receiving client. Carino describes receiving a database query from the client, transforming the database query into database management system commands transmitted to the database management system, and receiving a response from the database management system. In response to the query request, Carino associates the response from the database management system with a media object identifier for use by the client in obtaining the data object from an object server. Carino provides the client via an open database connectivity (ODBC) interface a status of the query request or a copy of the retrieved object. Carino does not request to execute an application program on an application server on behalf of a client. Instead, Carino requests the retrieval of object data from a database management system. In additional contrast to the claimed invention, Carino does not execute an application program identified in a request but, instead, executes a database query and processes related media and data objects. In yet further contrast to the claimed invention, Carino does not transmit encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol. Rather, Carino transmits object data retrieved from the database

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management system via an ODBC interface to a receiving client. Moreover, Carino is not concerned with and does not discuss encrypting the transmission of output of an application running on an application server to display remotely on a client via a remote display protocol, such as the Remote Desktop Protocol or the Independent Computing Architecture Protocol. As such, Carino does not disclose receiving a request to execute an application program on behalf of the client, executing the application program identified in the request, and transmitting encrypted output from execution of the application program over an application communication channel to the client via a remote display protocol.

The dependant claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aravind K. Moorthy whose telephone number is 571-272-3793. The examiner can normally be reached on Monday-Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Aravind K Moorthy *AM*
April 20, 2005

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